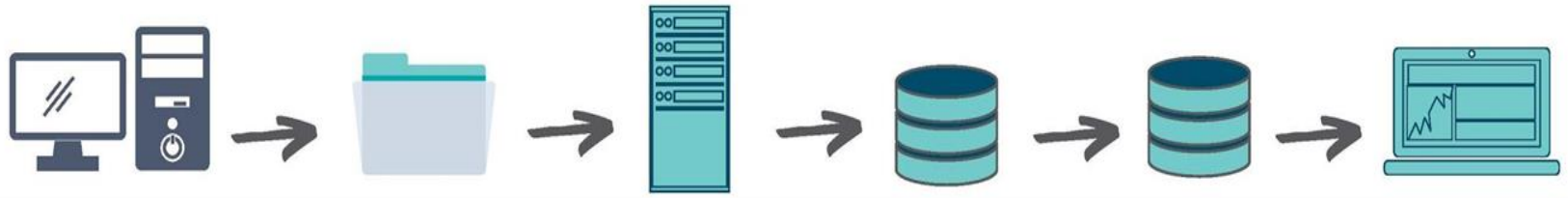
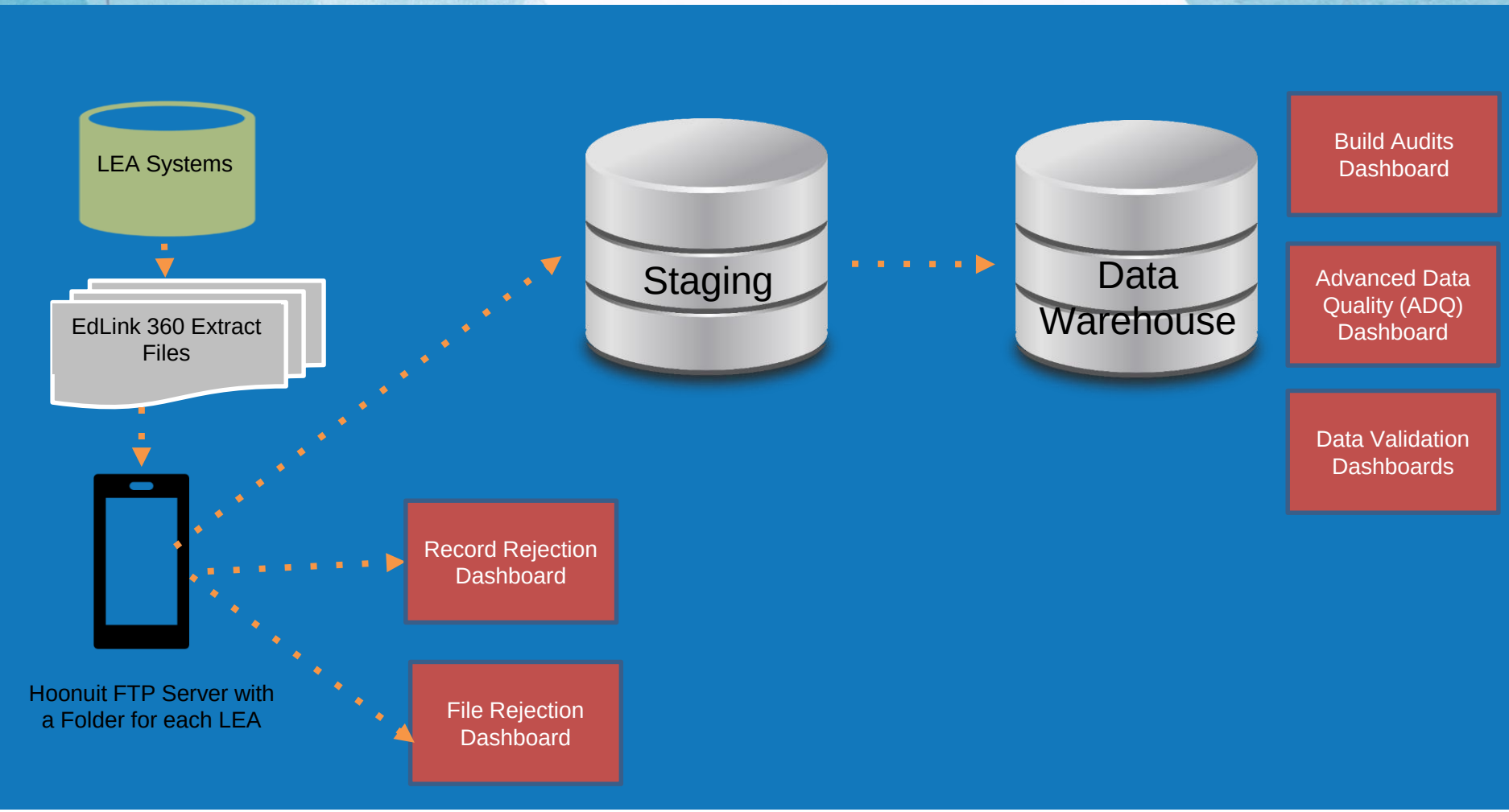
Louisiana Believes

EdLink 360 File Processing Dashboard Training
Training 2 (Build Audits and Data Quality)

Data Flow for Extract Submission to Data Warehouse



File Submission to Error Checking



Usage and Data Section

There are 5 main dashboards you will want to use **in this order**:

Data Processing:

1. File Errors (Training 1)
2. File Record Rejection (Training 1)
3. Build Audits (Training 2)

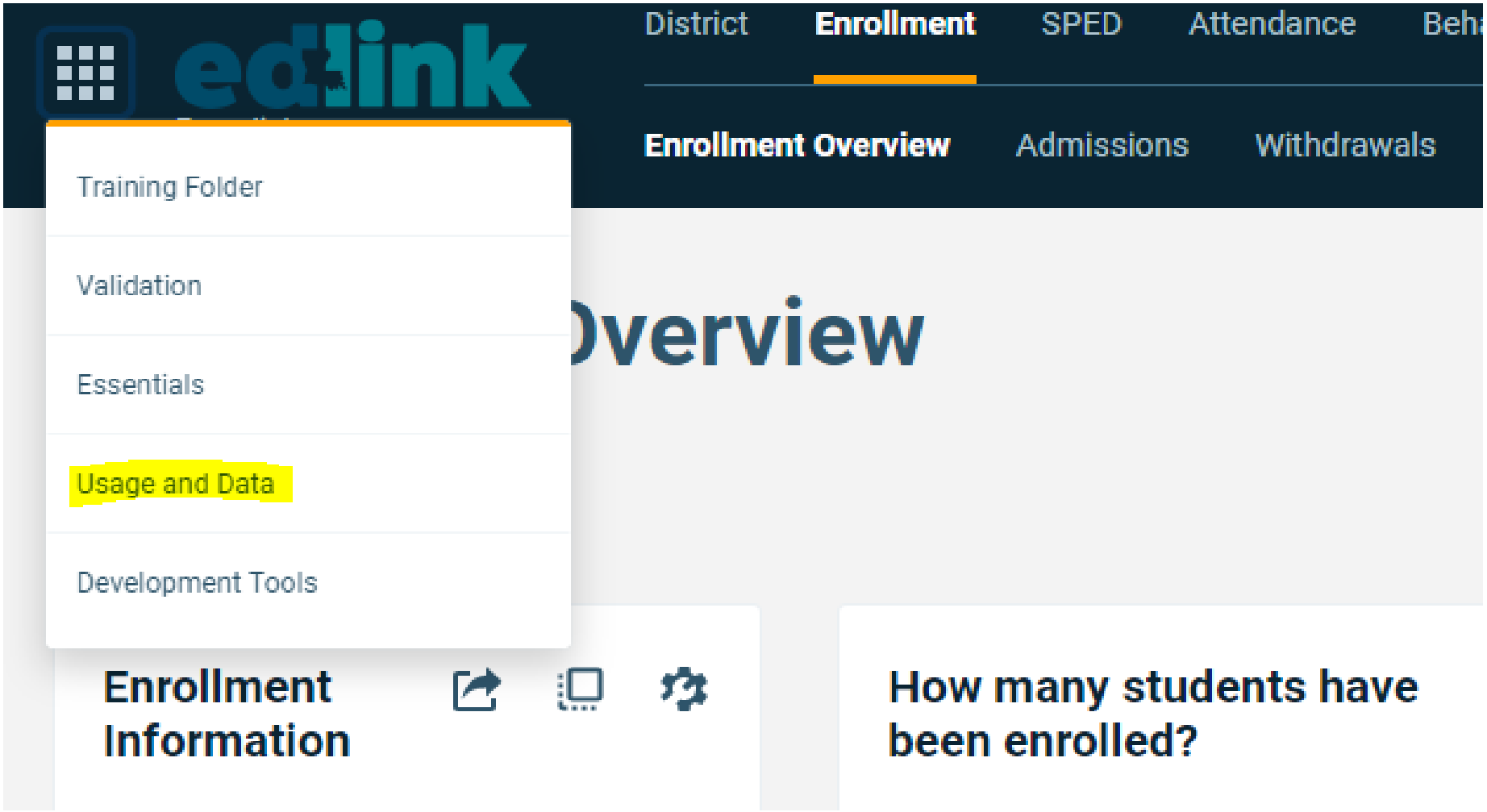
Data Quality:

4. Data Quality (Training 2)

Data Validation – these dashboards are currently the Validation Reports that are dropped on the FTP and can be viewed in any order.

5. Data Validation Dashboards (Training 3)
    a. Student Data Validation
    b. Staff Data Validation
    c. Classes Data Validation
    d. Assessments Data Validation

How do I get to File Processing and Data Validation Dashboards?

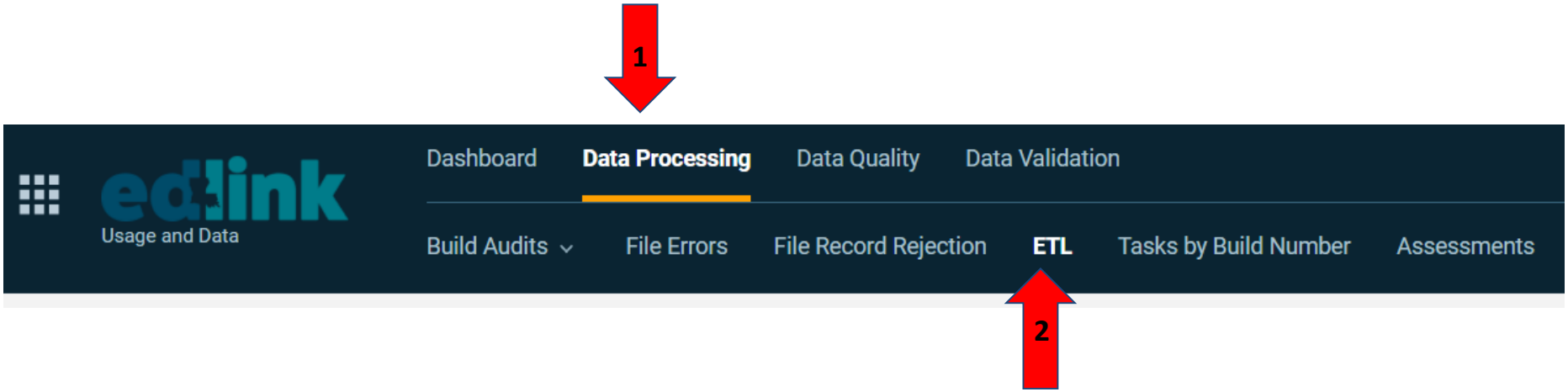


Data Processing/Build Audits

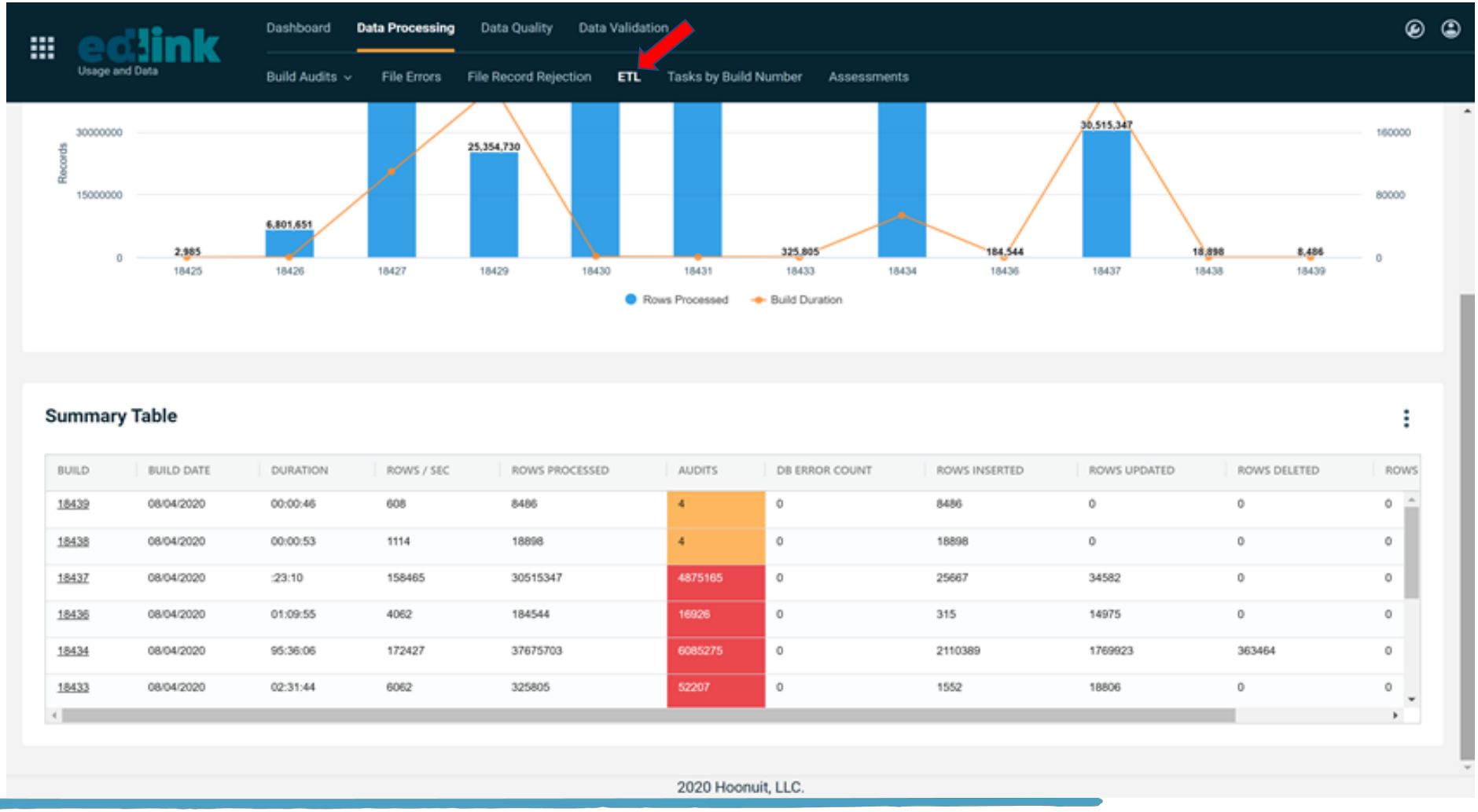
- These issues are generally due to errors in the data itself in the system of record. The data passed the formatting checks but does not align with other business rules to connect it to other DW data or populate all fields appropriately. Data provided to identify the data issue.

- Some examples of **build audits** errors:
    - Incorrect dates: Dates are outside of range
    - Invalid codes that do not match the state approved codes
    - Invalid local key values: local student key, etc.

Data Processing/File ETL



Data Processing/Build Audits



Summary Table

BUILD	BUILD DATE	DURATION	ROWS / SEC	ROWS PROCESSED	AUDITS	DB ERROR COUNT	ROWS INSERTED	ROWS UPDATED	ROWS DELETED	ROWS
18439	08/04/2020	00:00:46	608	8486	4	0	8486	0	0	0
18438	08/04/2020	00:00:53	1114	18898	4	0	18898	0	0	0
18437	08/04/2020	:23:10	158465	30515347	4875165	0	25667	34582	0	0
18436	08/04/2020	01:09:55	4062	184544	16926	0	315	14975	0	0
18434	08/04/2020	95:36:06	172427	37675703	6085275	0	2110389	1769923	363464	0
18433	08/04/2020	02:31:44	6062	325805	52207	0	1552	18806	0	0

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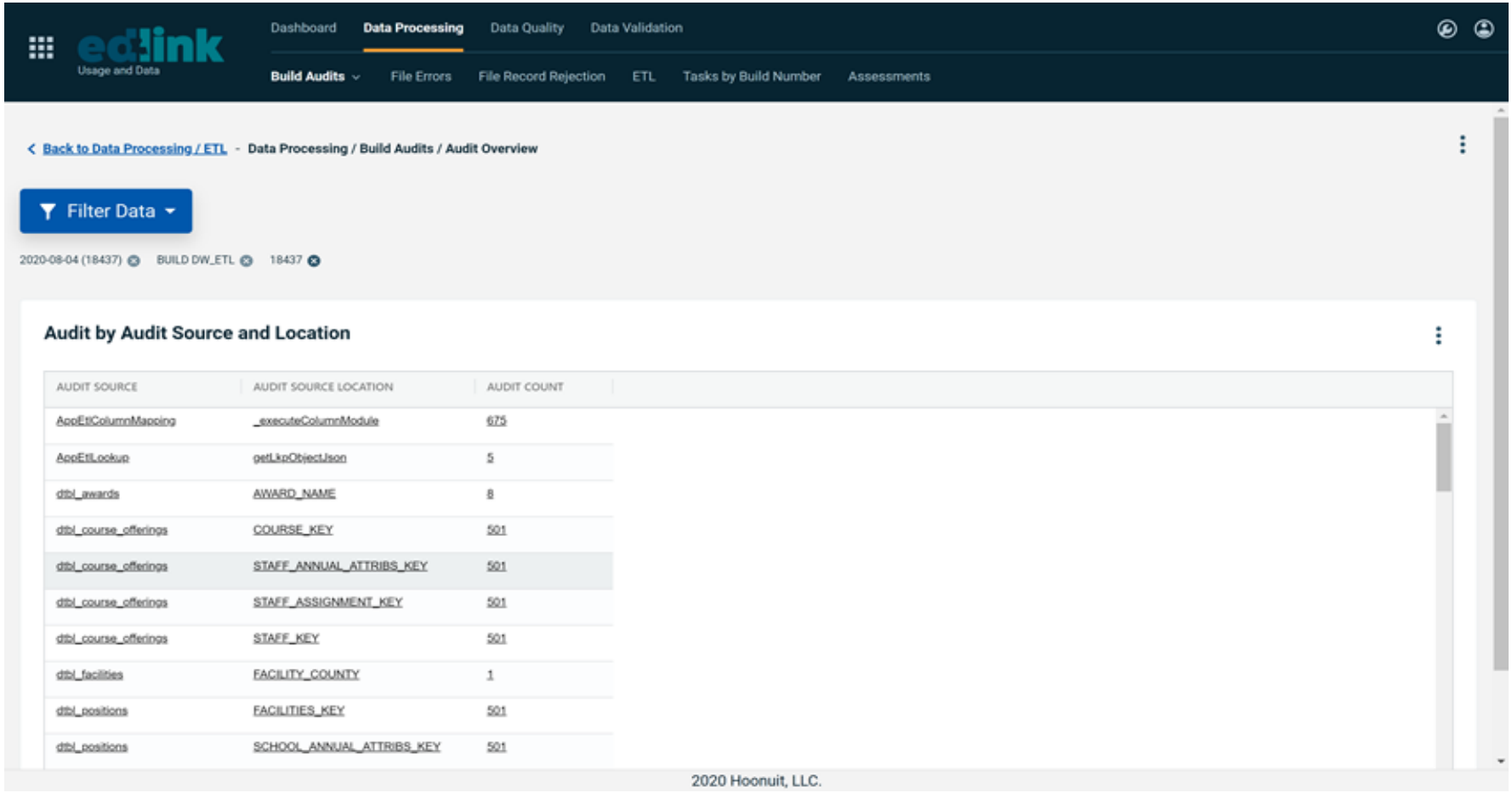
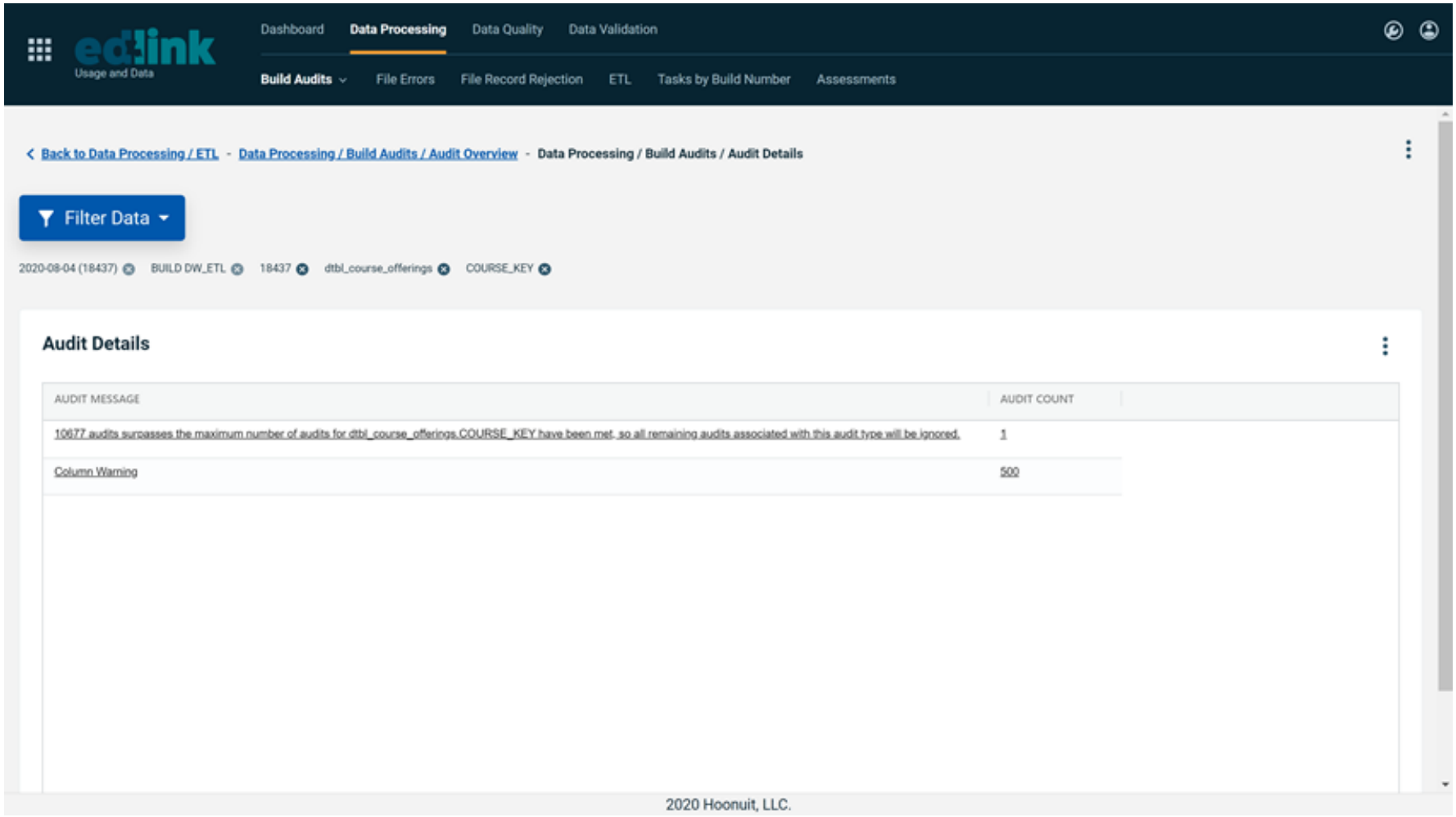
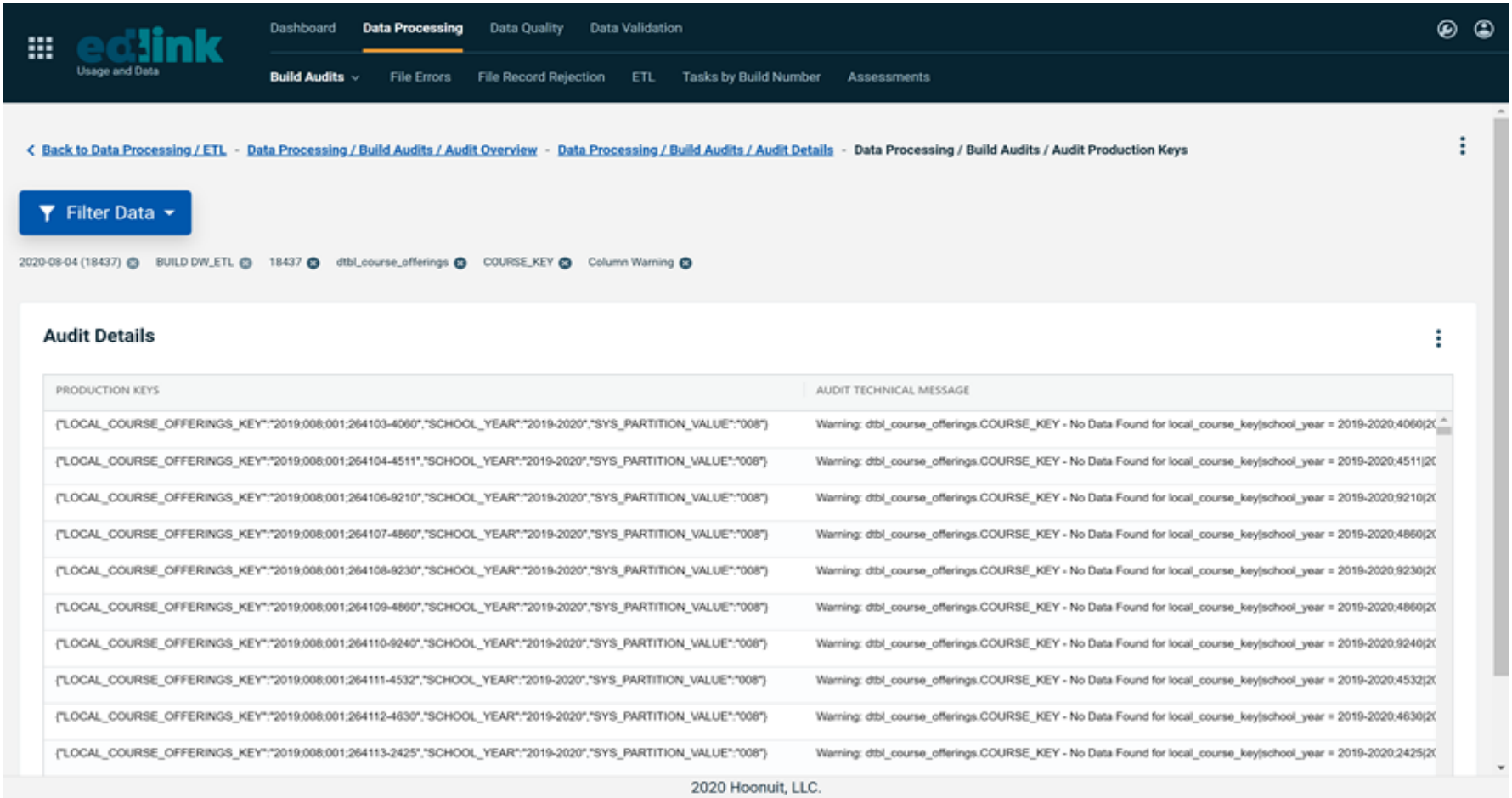
Data Processing/Build Audits



Data Processing/Build Audits



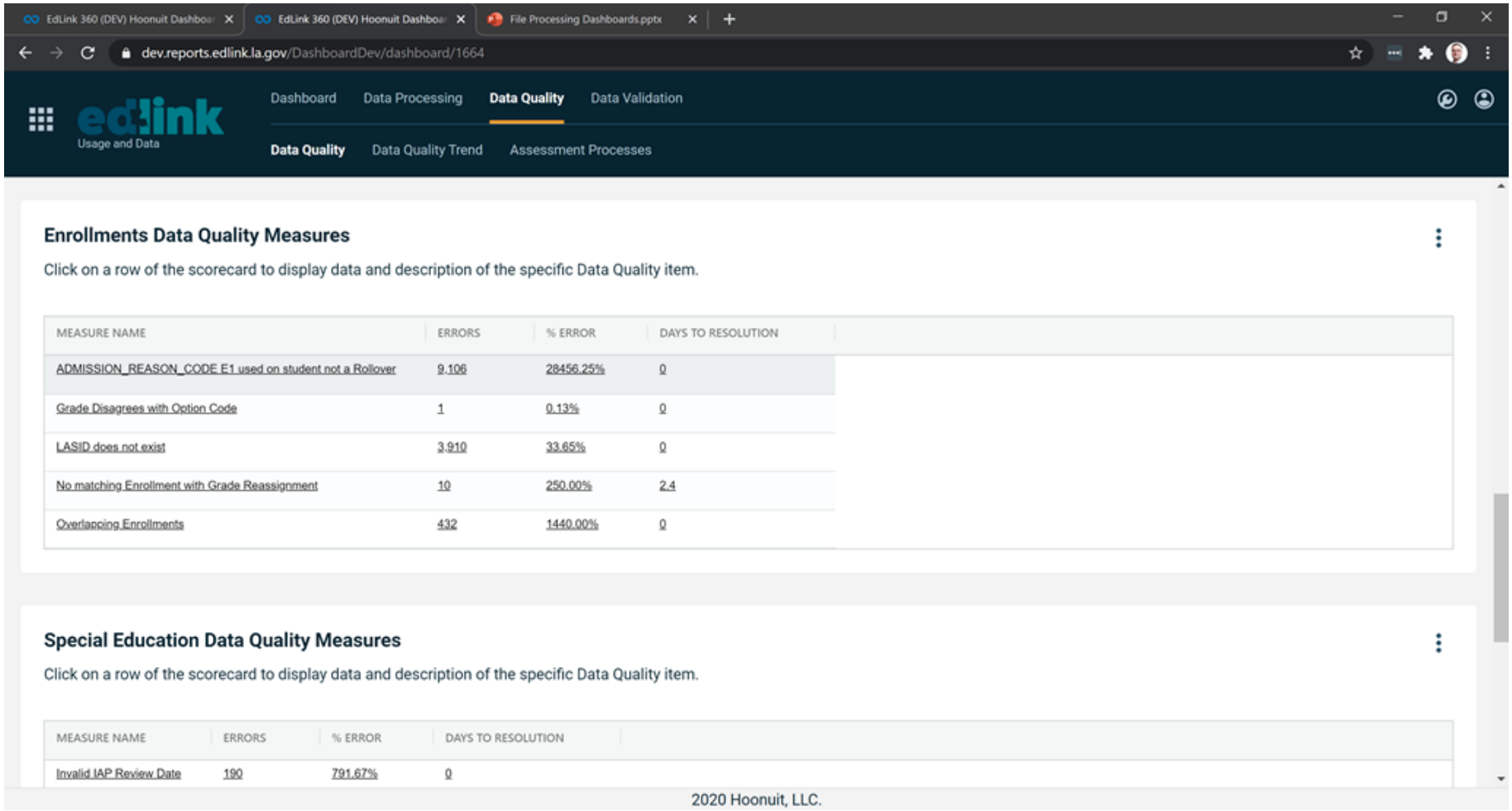
Data Processing/Build Audits



Data Quality/Data Quality (ADQ)

- The errors displayed here are mostly LDOE specific. Many of the checks are based on the rules that were already in place from the current system.

- These checks are run **After** the data is loaded to the DW as they often involve comparing different data points

- Some examples of **ADQ** errors:
    - US Entry Date checks
    - Invalid ethnicity/race flag
    - School with no enrollments
    - LASID does not exist

Data Quality/Data Quality (ADQ)